

WFO Wichita Public Forecast (SOOVER) Statistics for Fall '01 (Sep-Nov)

TEMPERATURES

The following chart compares CCF, FWC, and MAV average absolute error for the 1st 4 periods of the public forecast. It shows CCF improvement over the FWC and MAV guidance. The lower the error, the better.

Station	Average Absolute Error			CCF % Improvement over	
	CCF	FWC	MAV	FWC	MAV
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WICHITA	2.94	3.27	3.28	10.2	10.3
CHANUTE	2.95	3.29	3.49	10.3	15.5
RUSSELL	3.18	3.73	3.46	14.6	8.2
SALINA	2.82	3.32	3.54	14.9	20.3
ALL	2.97	3.40	3.44	12.6	13.6

The following chart shows the percentage of the time in each period that temperature forecasts missed by (+/-) 3 degrees or less. The higher the percentage, the better.

Station		CCF	FWC	MAV
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WICHITA	1 st Pd	73%	74%	73%
	2 nd Pd	70	62	69
	3 rd Pd	63	59	59
	4 th Pd	61	52	50
CHANUTE	1 st Pd	75	69	67
	2 nd Pd	69	65	56
	3 rd Pd	63	64	57
	4 th Pd	60	52	50
RUSSELL	1 st Pd	73	60	64
	2 nd Pd	68	57	55
	3 rd Pd	59	56	56
	4 th Pd	57	45	46
SALINA	1 st Pd	76	69	68
	2 nd Pd	71	61	54
	3 rd Pd	67	59	55
	4 th Pd	64	50	50
ALL	1st Pd	74%	68%	68%
	2nd Pd	69	61	58
	3rd Pd	63	59	57
	4th Pd	60	50	49

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PRECIPITATION

The following chart shows average brier scores, average WET PoPs (PoPs on days when we had measurable precipitation), and average DRY PoPs (PoPs on days when we did not have measurable precipitation). The lower the brier score, the higher the WET PoP, and the lower the DRY PoP, the better.

Station	CCF	FWC	MAV	CCF % Improvement over	
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WICHITA					
Average Brier Score	.066	.072	.085	8.3	22.4
Average WET PoP	35%	37%	38%		
Average DRY PoP	8%	11%	12%		
CHANUTE					
Average Brier Score	.065	.069	.069	5.8	5.8
Average WET PoP	43%	44%	55%		
Average DRY PoP	8%	10%	12%		
RUSSELL					
Average Brier Score	.059	.064	.076	6.3	22.4
Average WET PoP	38%	41%	40%		
Average DRY PoP	6%	10%	10%		
SALINA					
Average Brier Score	.068	.070	.076	2.9	10.5
Average WET PoP	35%	41%	43%		
Average DRY PoP	8%	11%	12%		
ALL					
Average Brier Score	.0645	.0687	.0765	6.2%	15.7%
Average WET PoP	38%	41%	44%		
Average DRY PoP	7 %	10%	11%		